

Figure 1

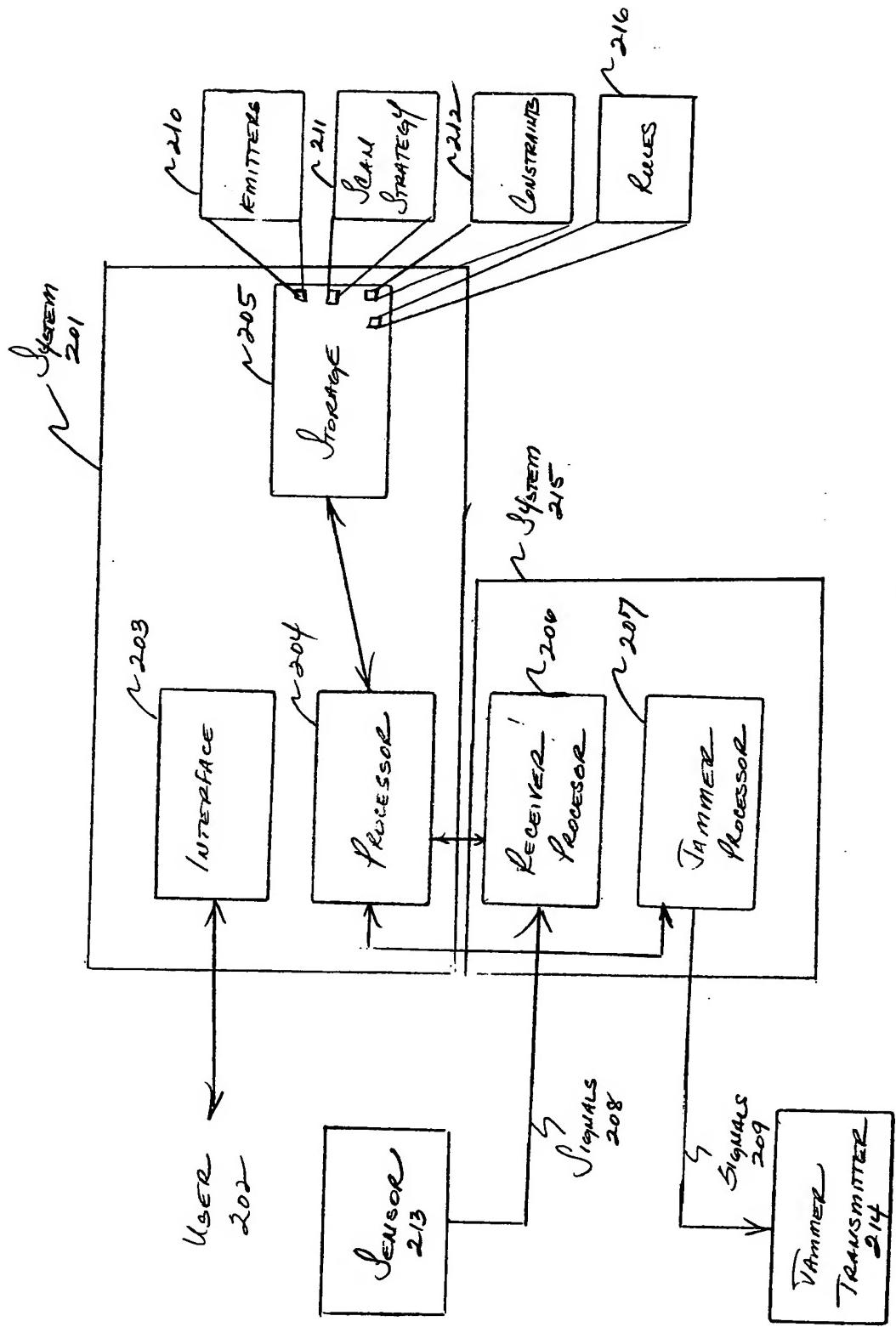


Figure 2

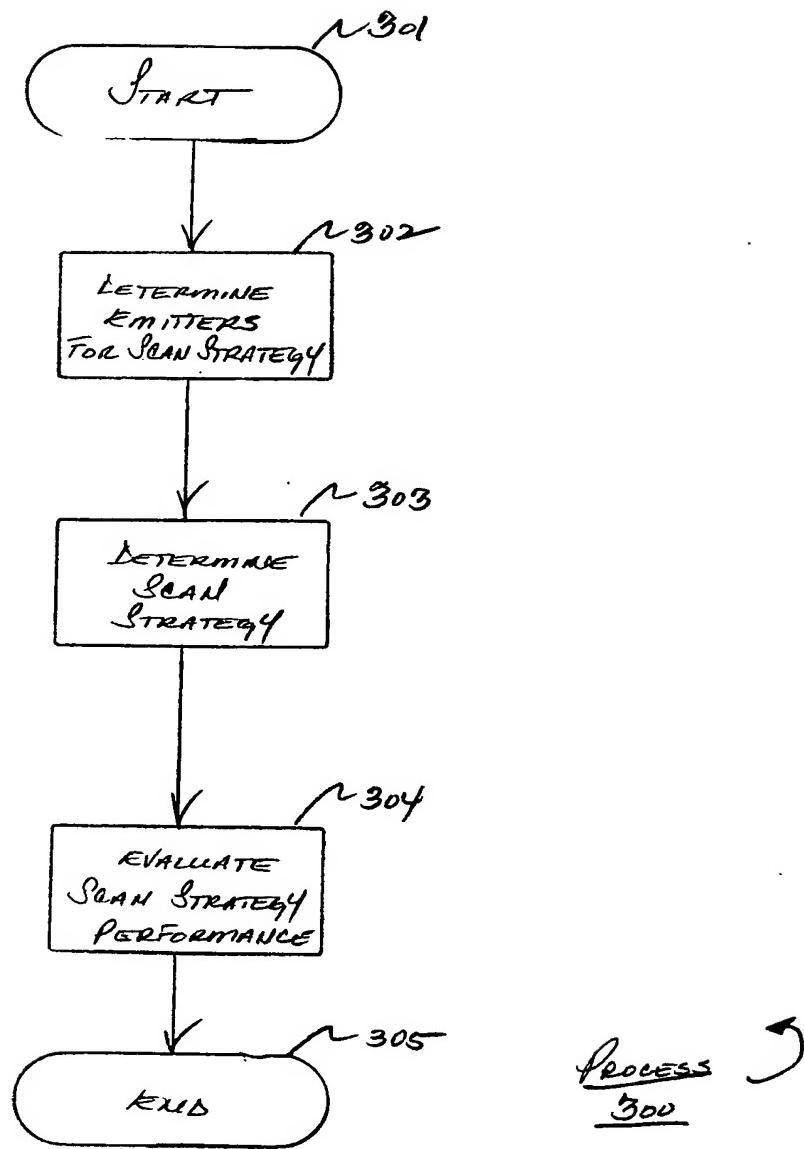
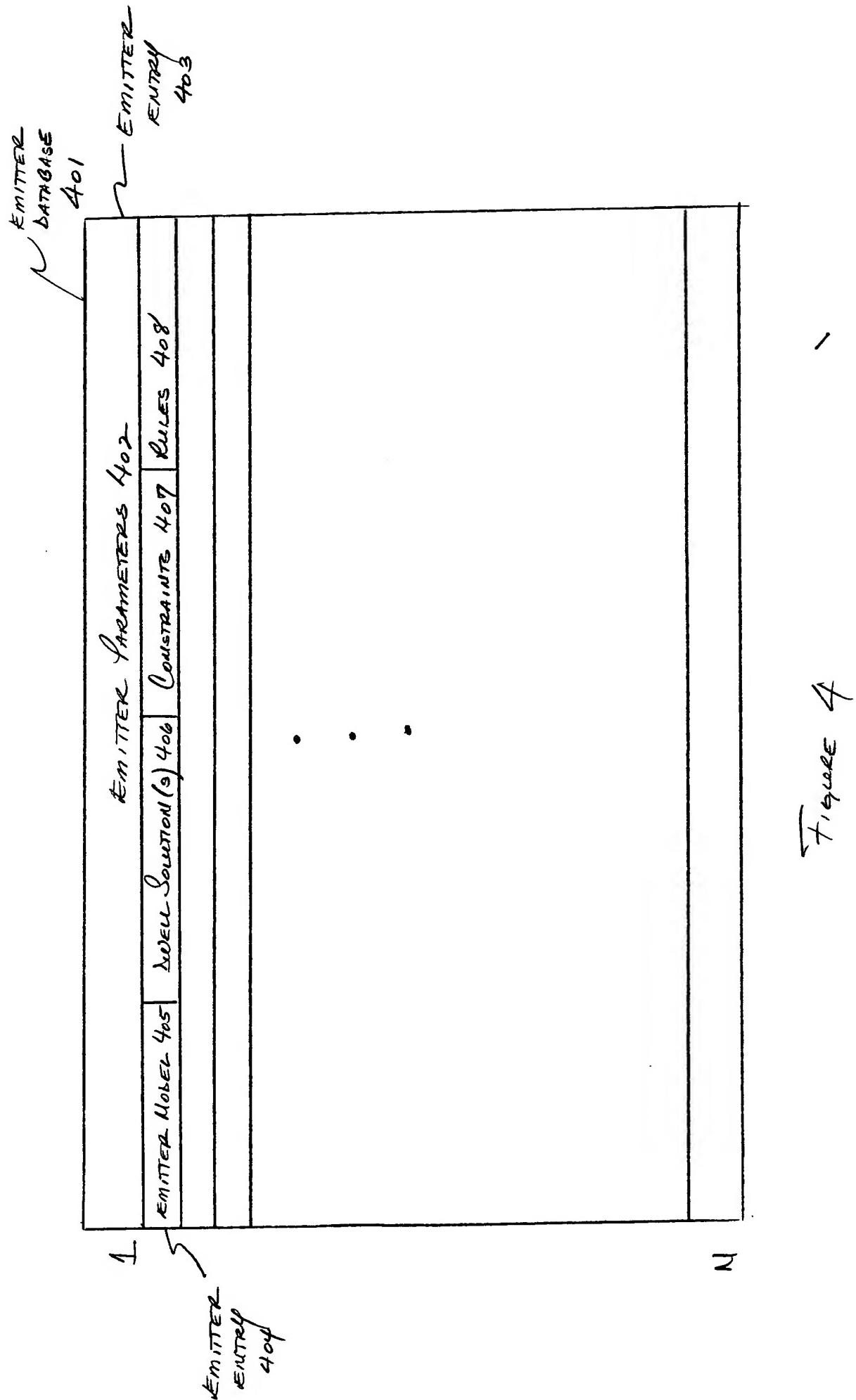


FIGURE 3



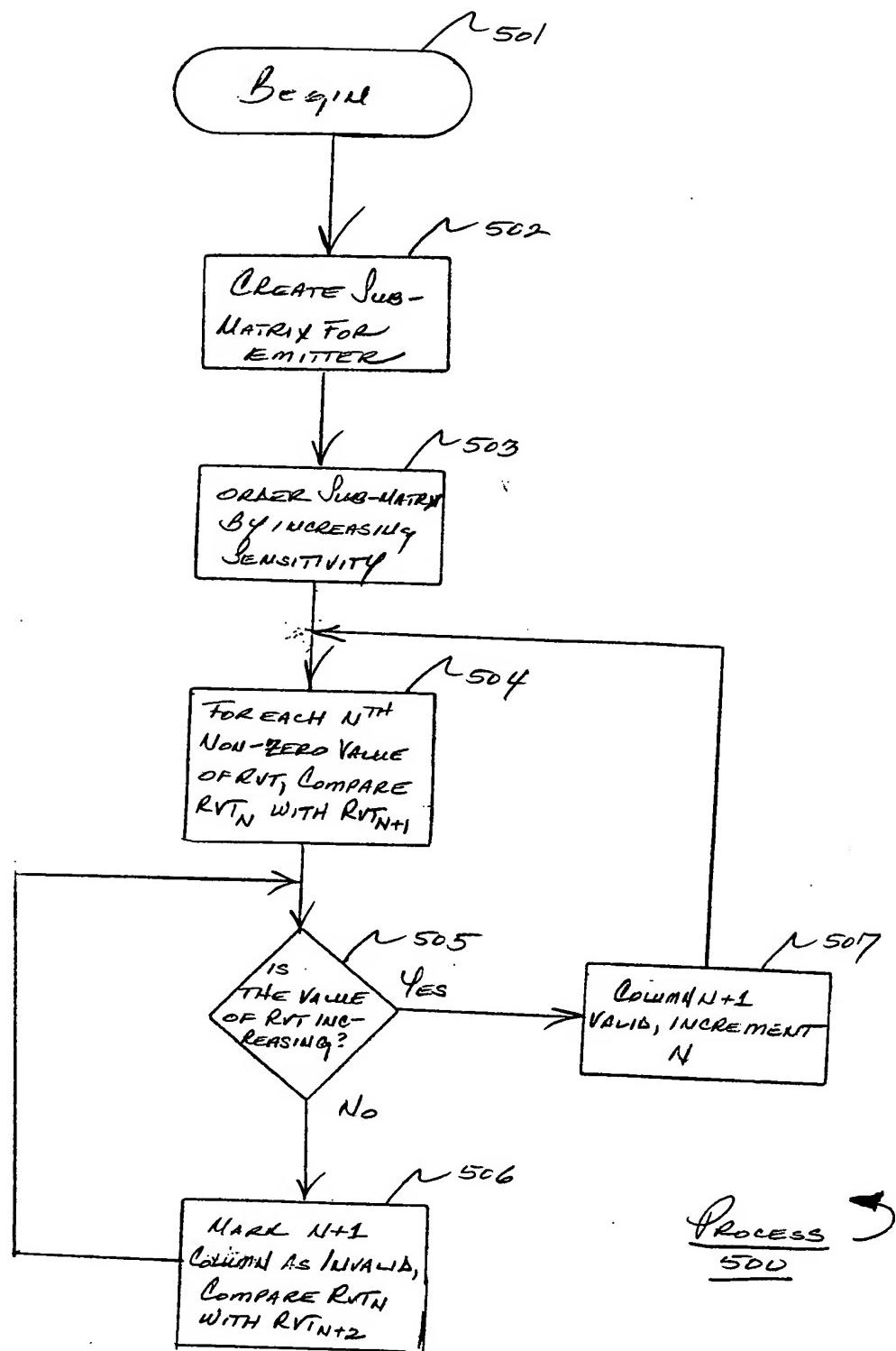


Figure 5

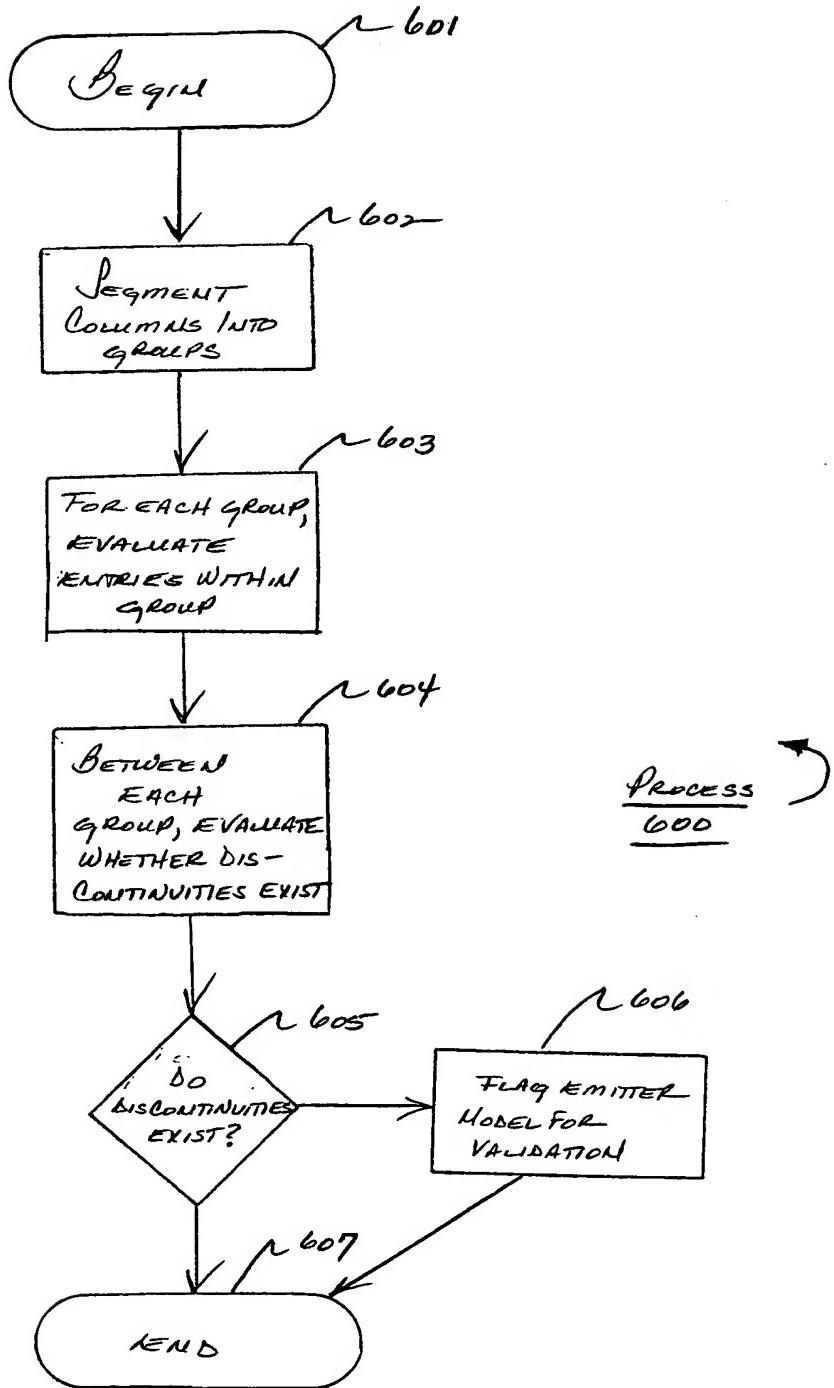


Figure 6

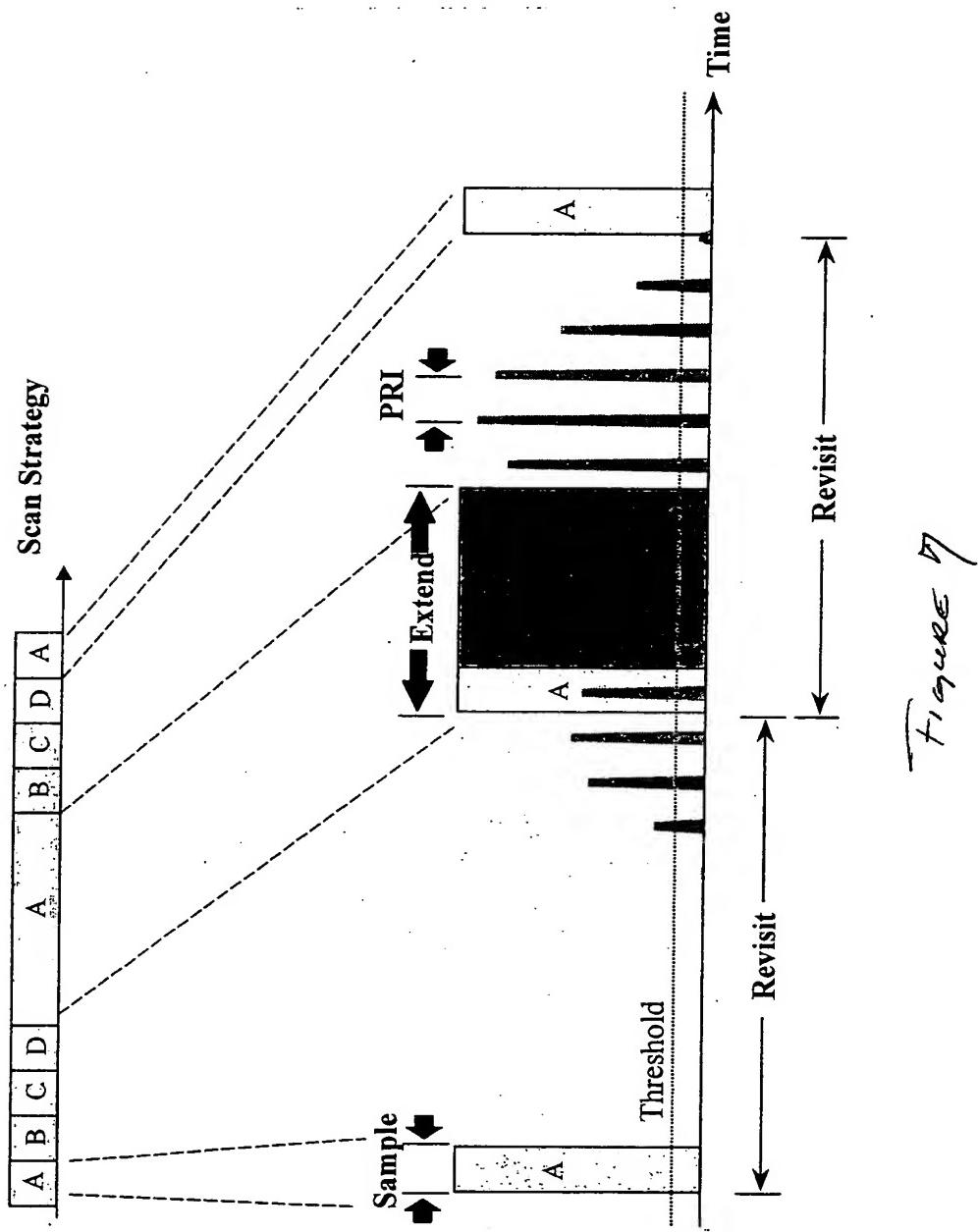
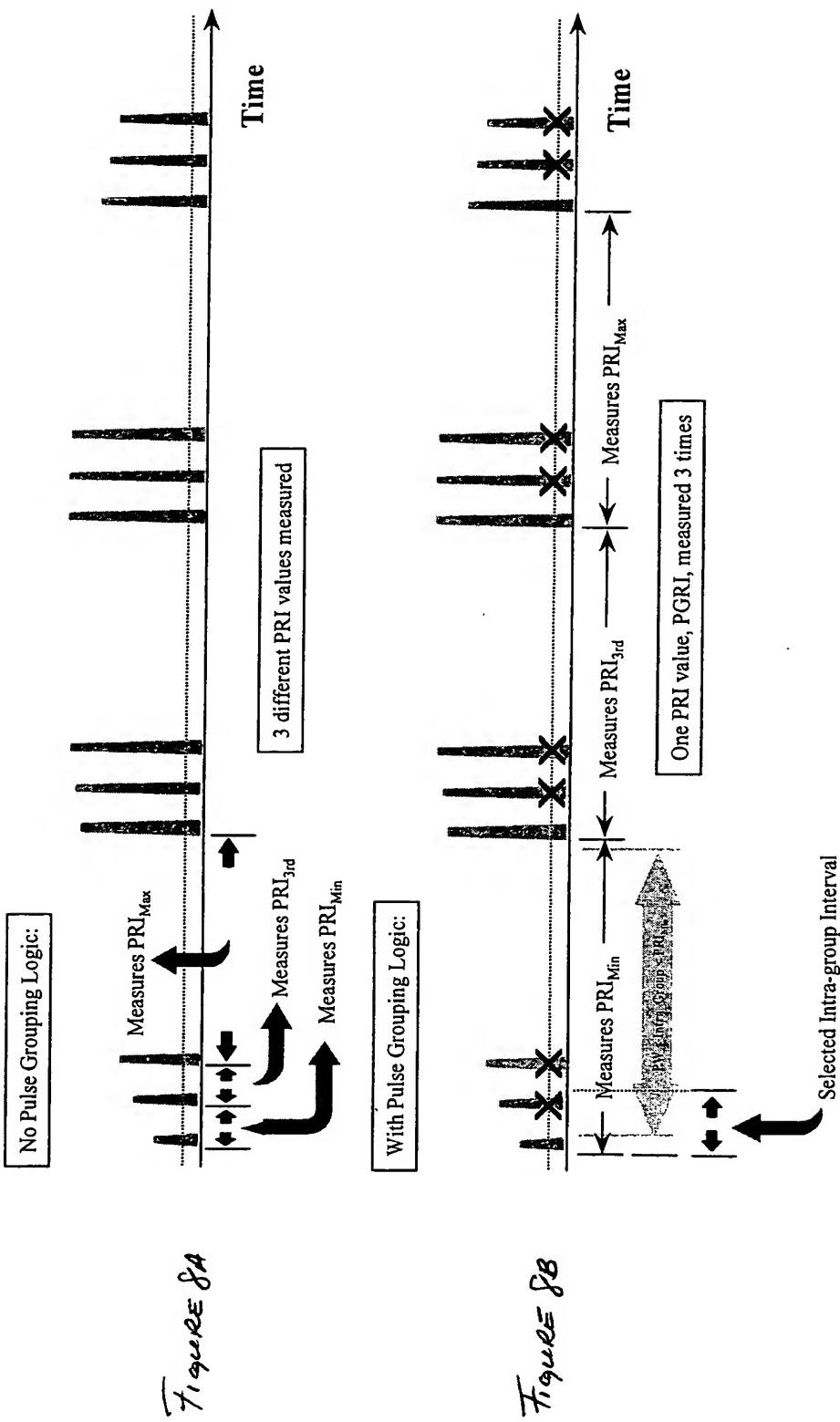


Figure 7



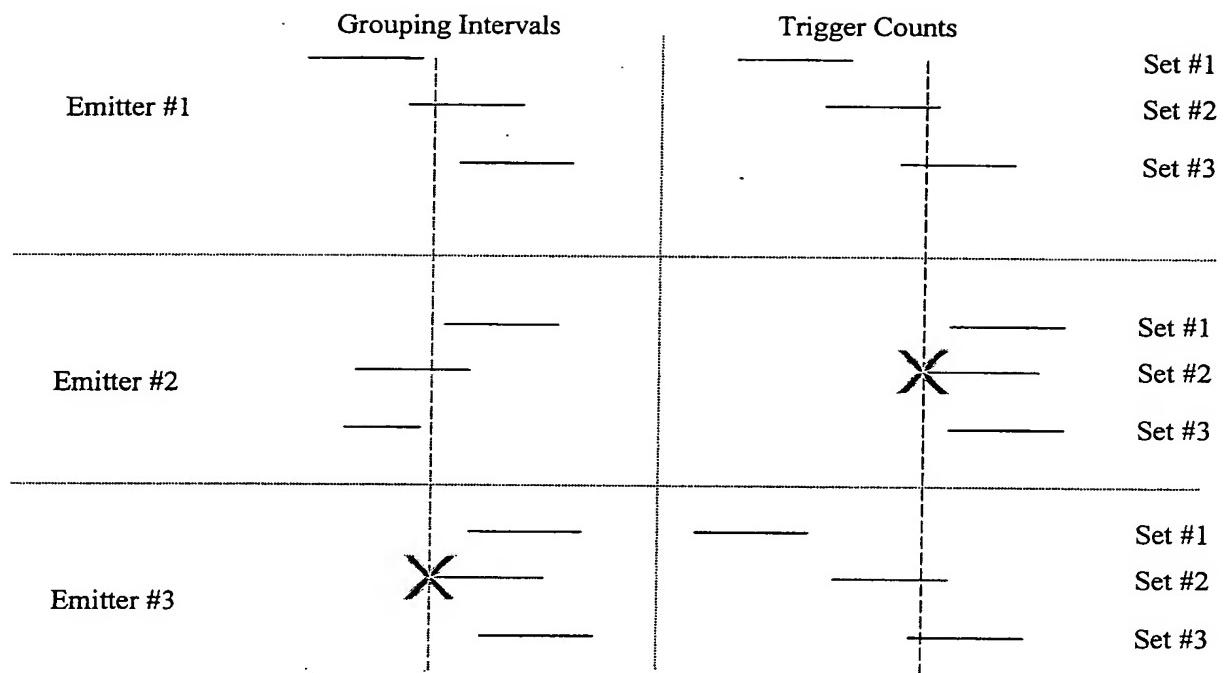
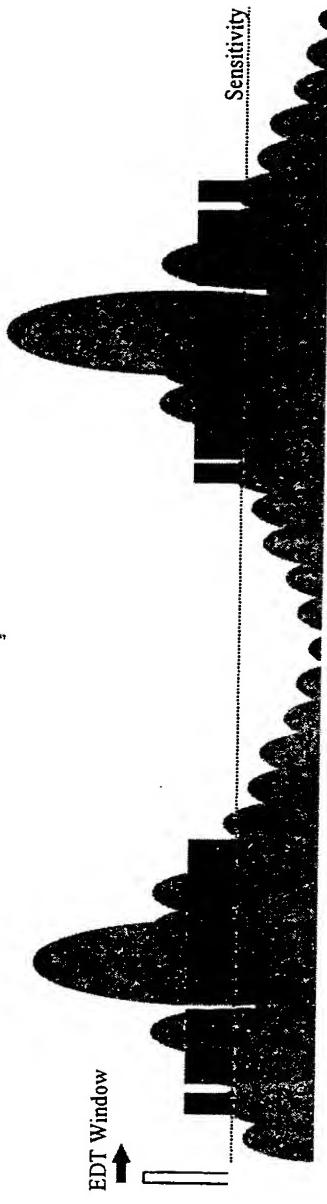
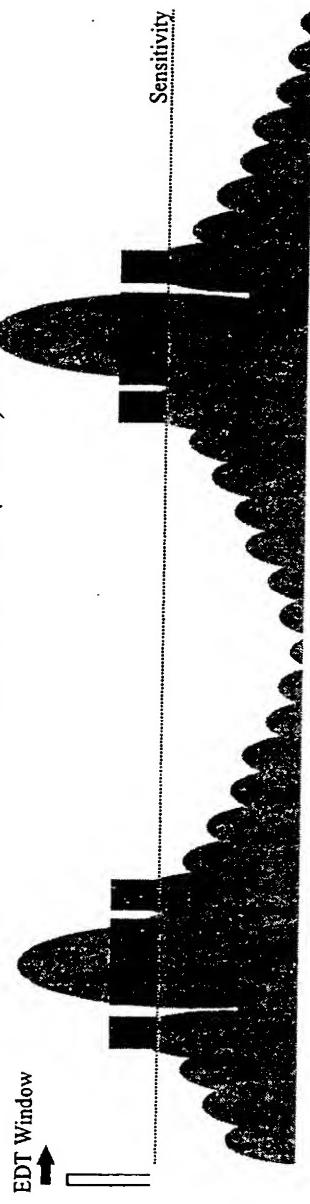


Figure 9

*Figure
104*

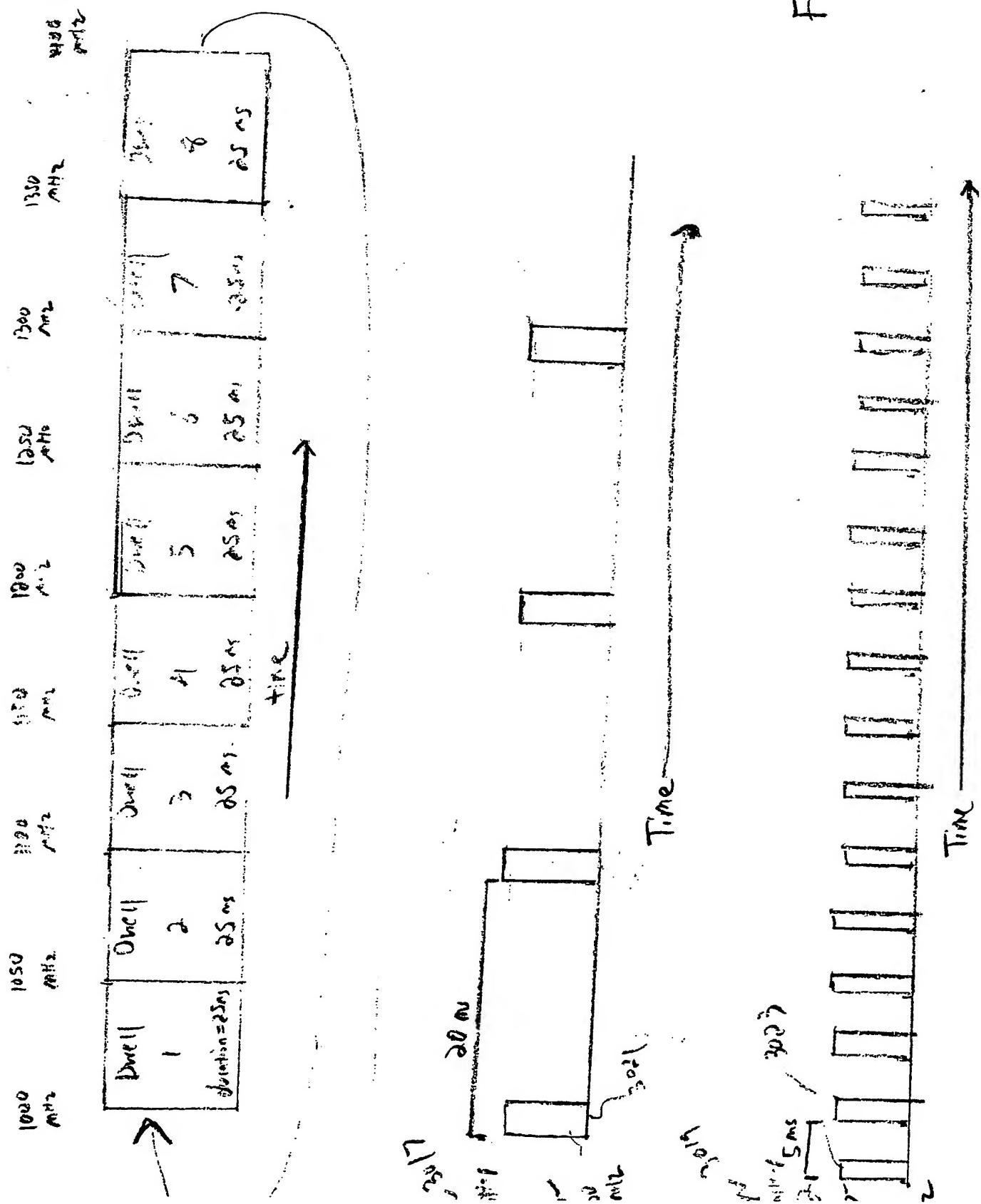


Discrete Illuminations (TIBS)



*Figure
108*

Figure 11



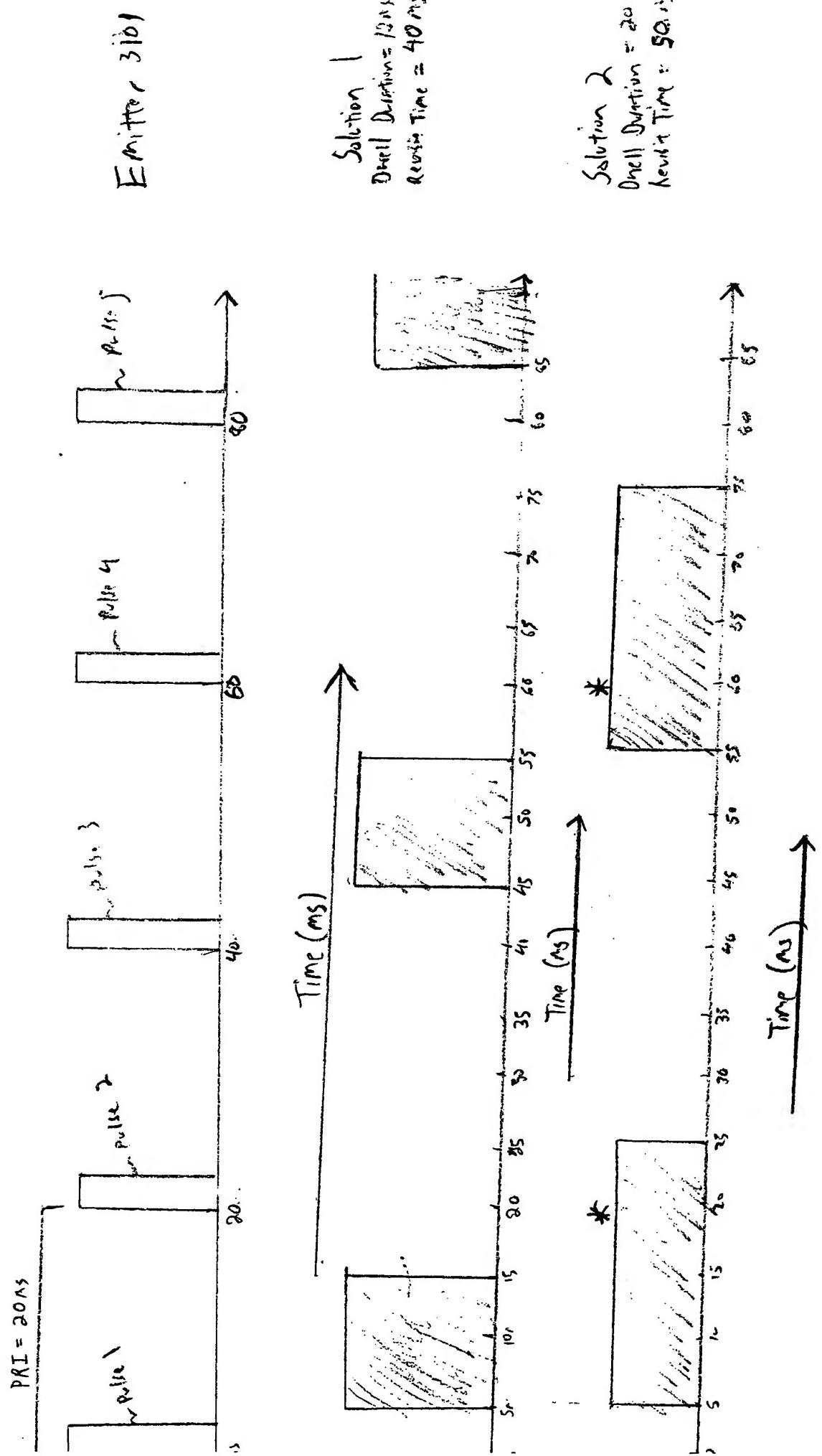


Figure 12

Figure B

4000

Emitter Name	Date	RF Min (MHz)	RF Max (MHz)	MDT (ns)
RVT	255 min, JF 15 min, VDW	30 MHz	15 MHz	
E1	100 ns	650 ns	1000	1300 3
E2	180 ns	780 ns	1220	1350 5
E3	110 ns	330 ns	1510	1910 2
E4	130 ns	390 ns	1730	1860 4

Dwell 1							
$DD_{max} = 5$							
$RVT_{min} = 100$							

$$\text{Cost} = \frac{5}{100} = .05$$

loop	Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8	Dwell 9
DD_{max}	3	3	3	3	3	3	3	5	5
RVT_{min}	650	650	650	650	650	650	650	650	650
Cost	cost	cost	cost	cost	cost	cost	cost	cost	cost
	$\frac{3}{650}$	$\frac{3}{650}$	$\frac{3}{650}$	$\frac{3}{650}$	$\frac{3}{650}$	$\frac{3}{650}$	$\frac{5}{650}$	$\frac{5}{650}$	$\frac{5}{650}$

$$\frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{5}{650} + \frac{5}{650} + \frac{5}{650} = \frac{31}{650} \approx .048$$

Solution 1

Solution 2

Solution 3

Solution 4

Solution 5

Solution 6

Solution 7

Solution 8

Solution 9

Solution 10

Solution 11

Solution 12

Solution 13

Solution 14

Solution 15

Solution 16

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Solution 258

Due 11	
DD _{max} = 4 ns	
RVT _{min} = 330 ns	

Cost = $\frac{4}{330} = .012$

Solution 1

1510	1590	1570	1500	1630	1660	1670	1720	1750	1760
Drill 1	Drill 2	Drill 3	Drill 4	Drill 5	Drill 6	Drill 7	Drill 8	Drill 9	Drill 10
DD _{max} 2									
RVT _{min} 330 ns									
Cost									
$\frac{cost}{330}$									

Solution 2

Figure 141B

Figure 15

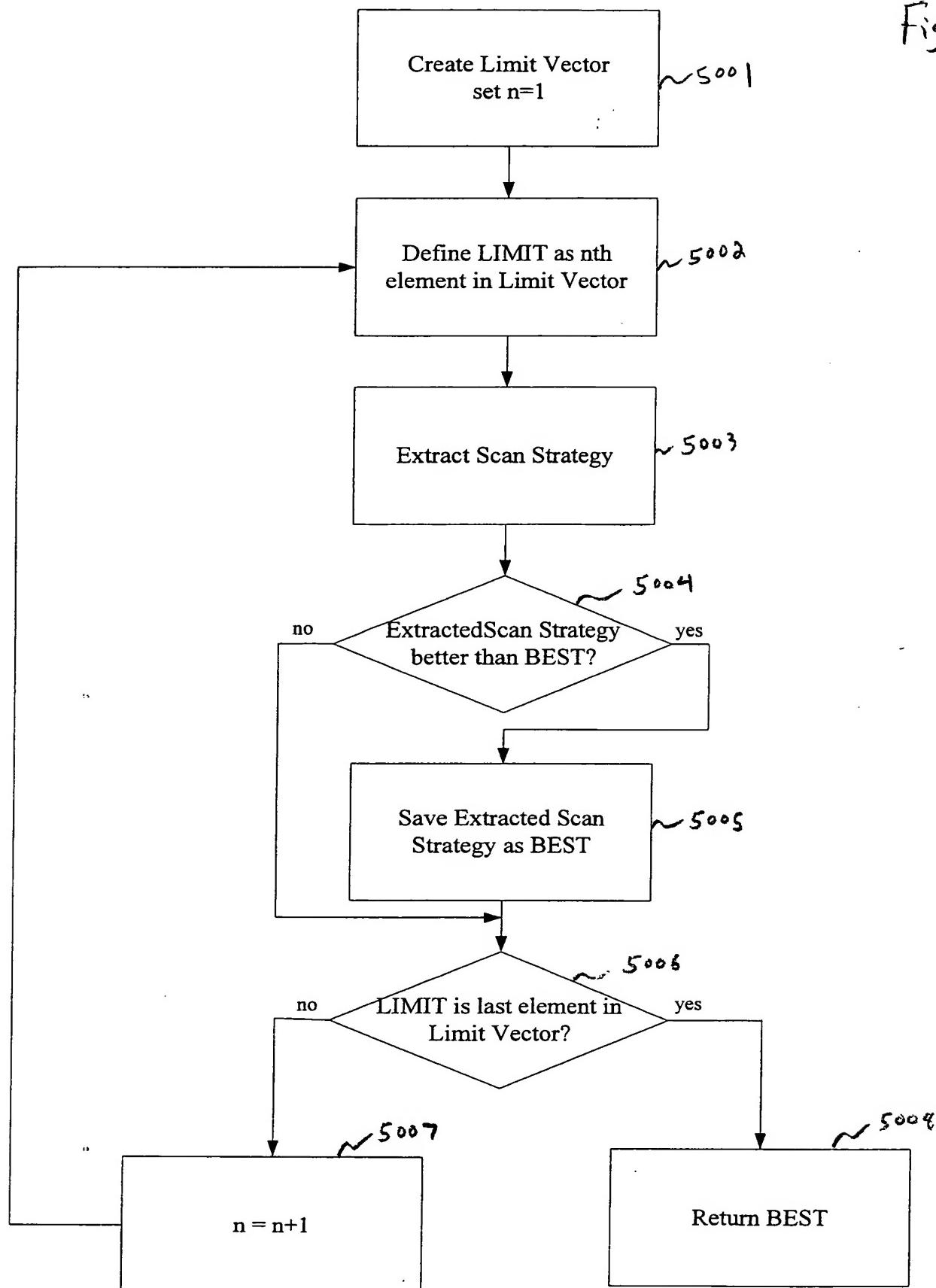
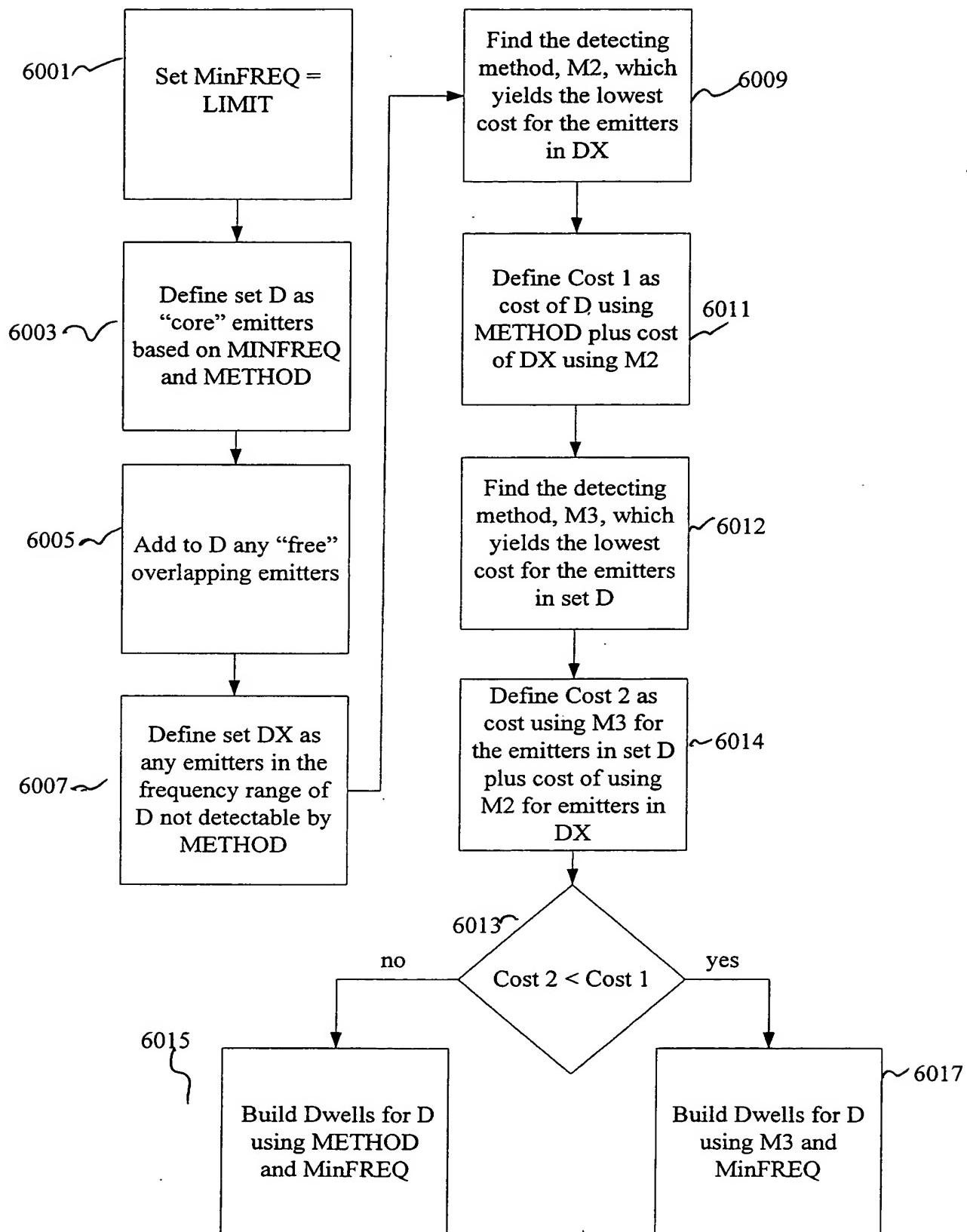


Figure 16



Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

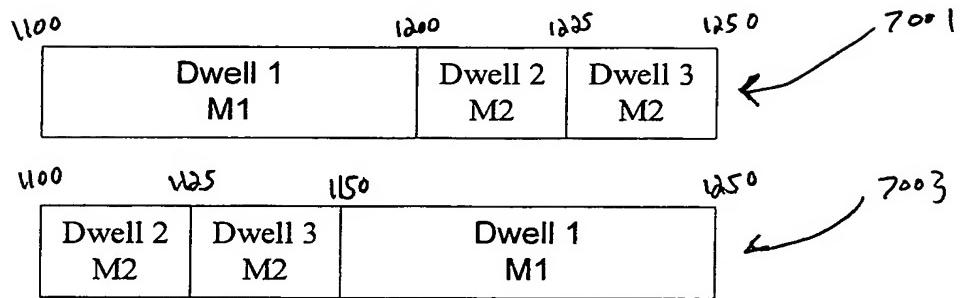
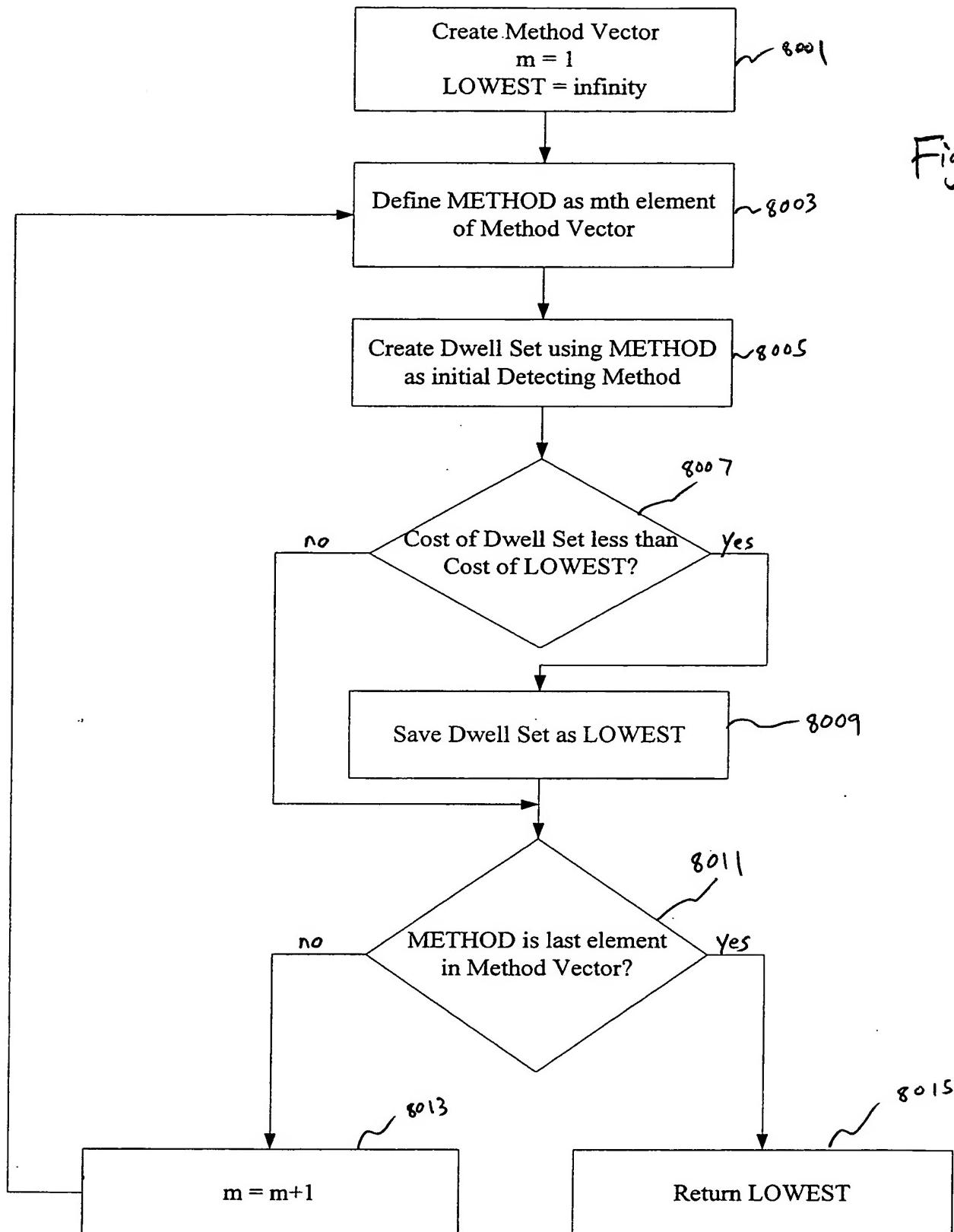


Figure 17

Figure 18



Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

Figure 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

Figure 20

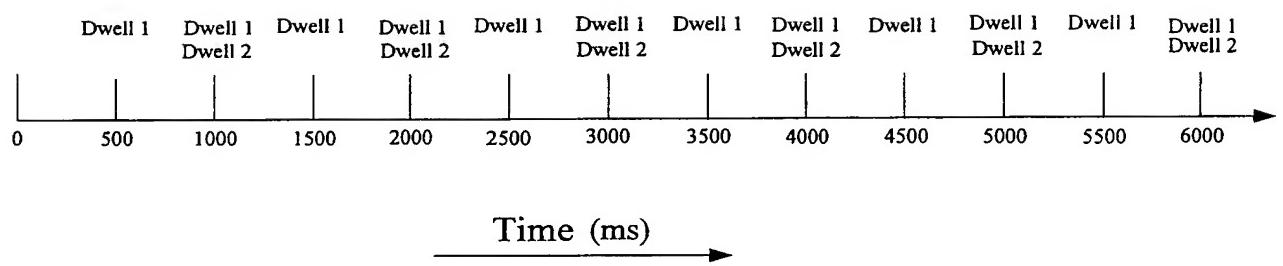


Figure 21

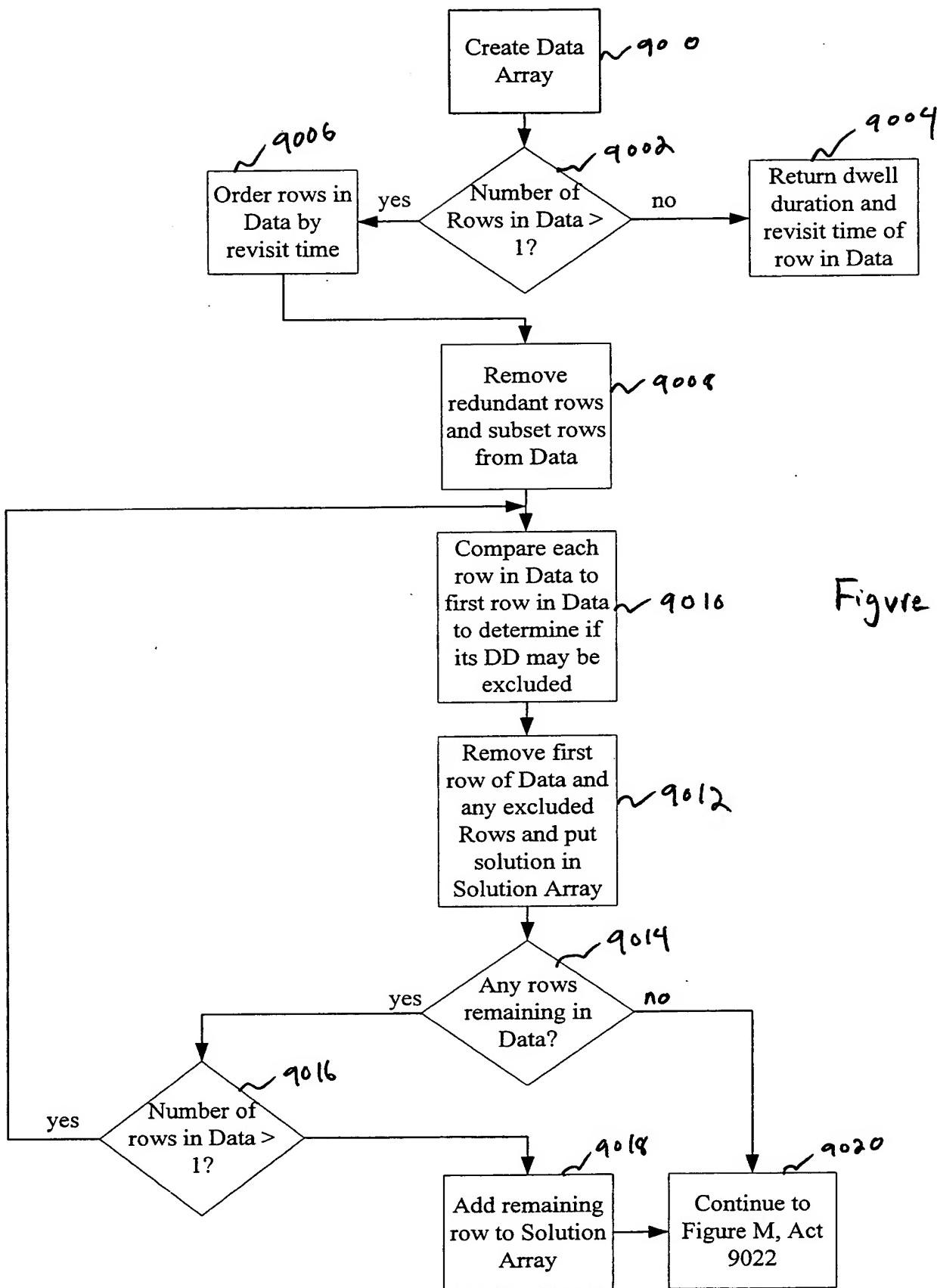


Figure 22

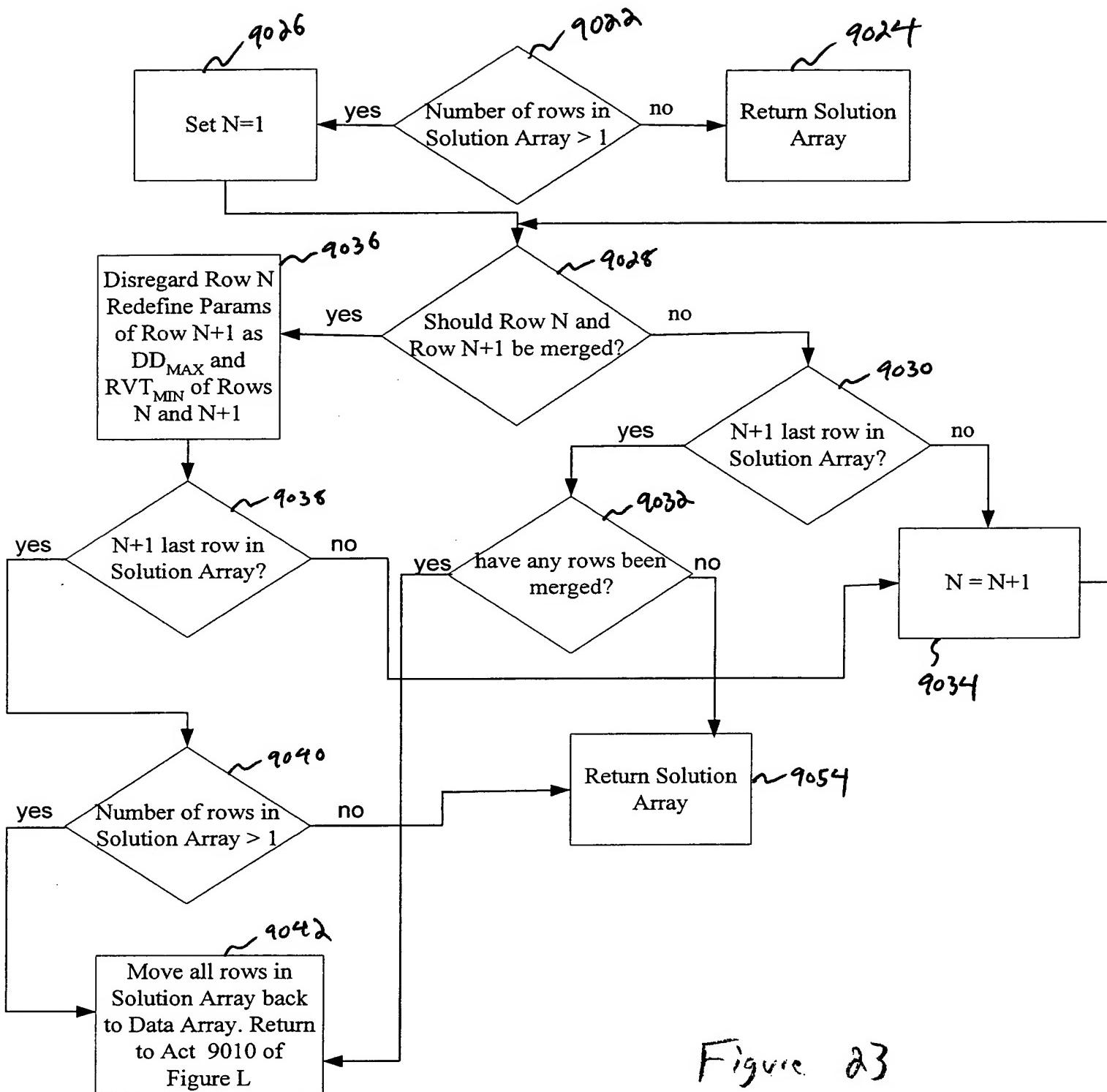


Figure 23

9044

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

Figure 24A

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

Figure 24B

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

Figure 24C

~9044

Data		
MDT	EDT	RVT
2	9	700
2.3	11	800

~9046

Solution		
MDT	EDT	RVT
1	19	500

Figure 24D

~9044

Data		
MDT	EDT	RVT
1	19	500
2	11	700

9046

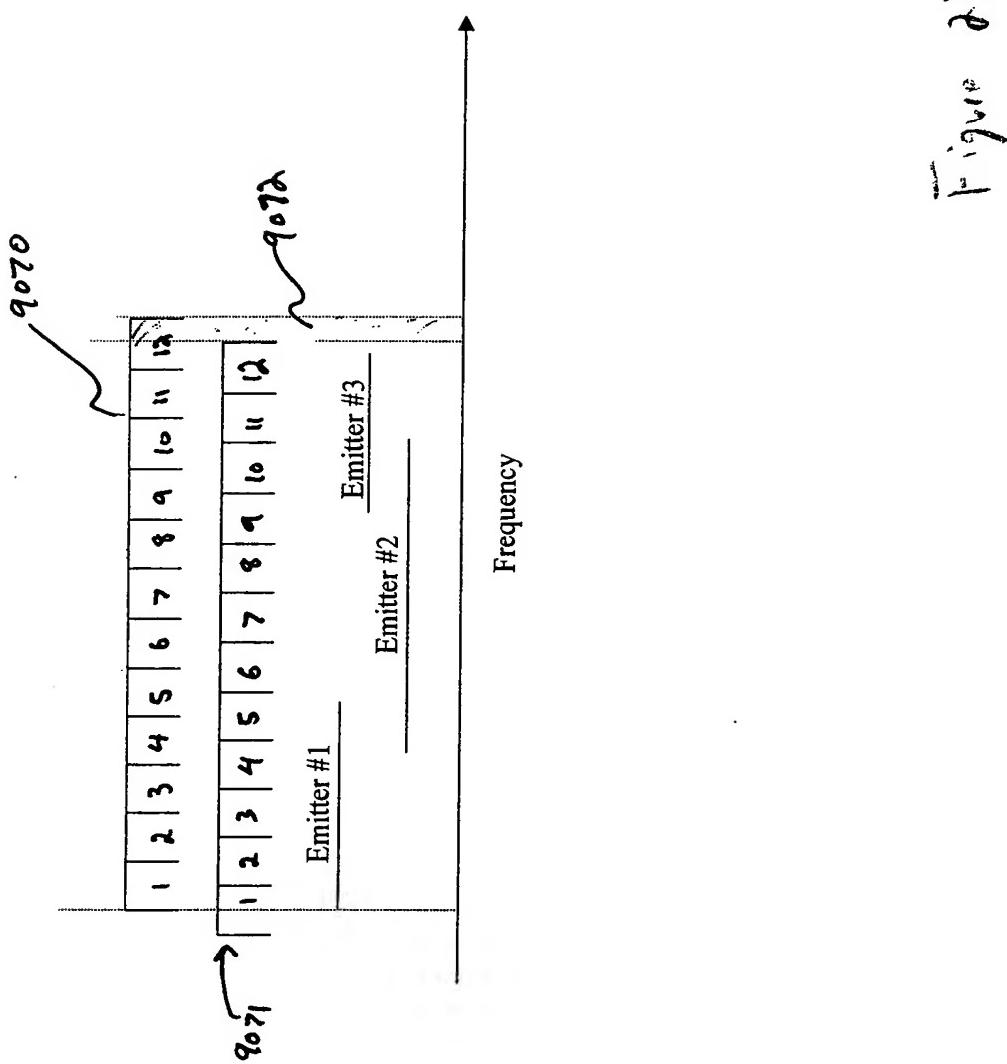
Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24E

~9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24F



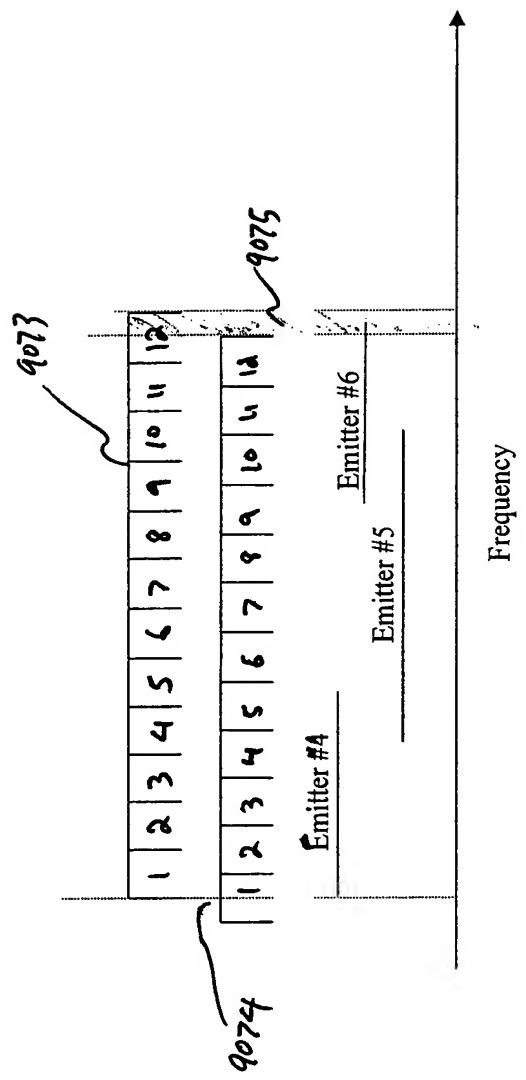


Figure 26

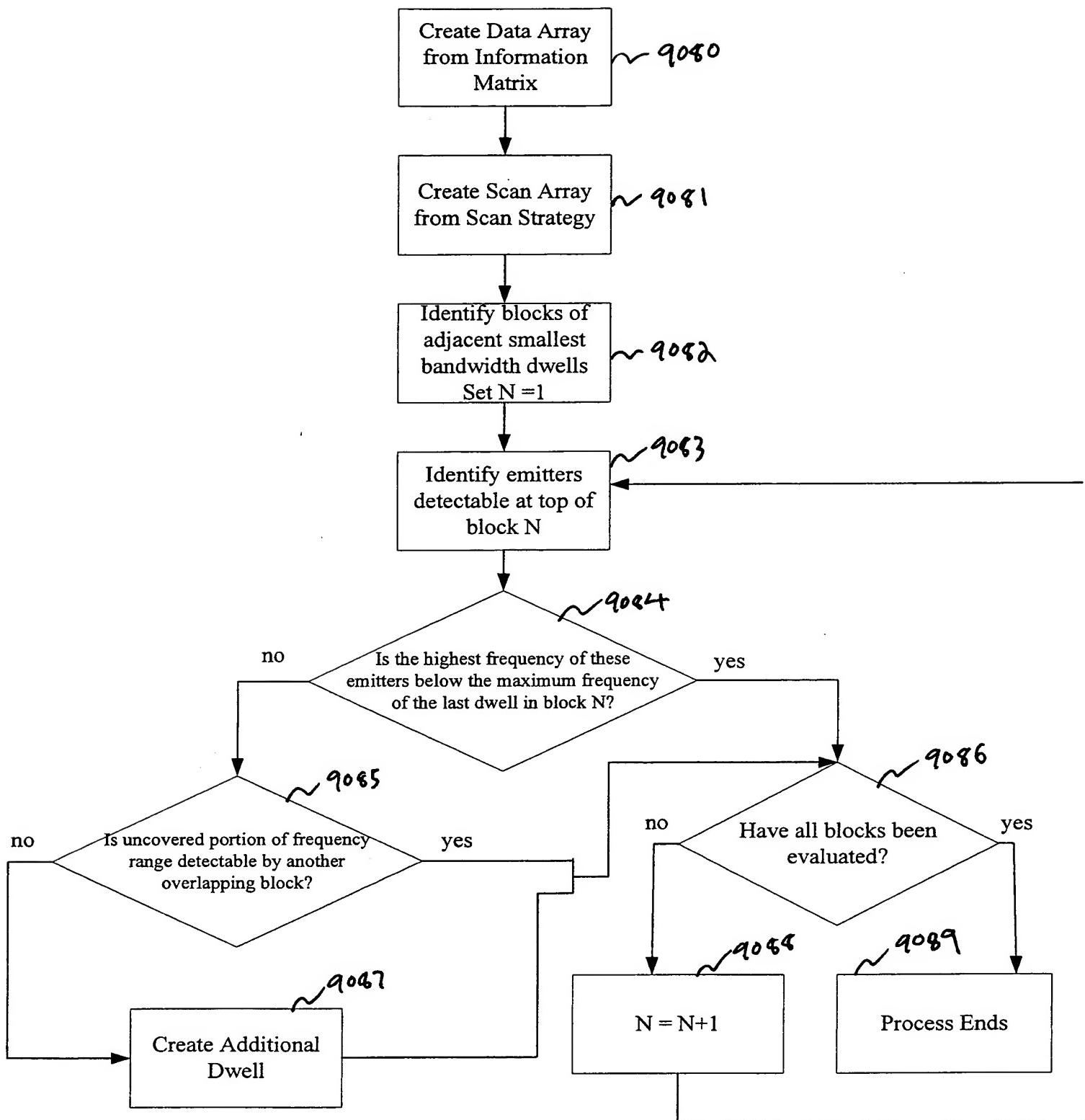


Figure 27

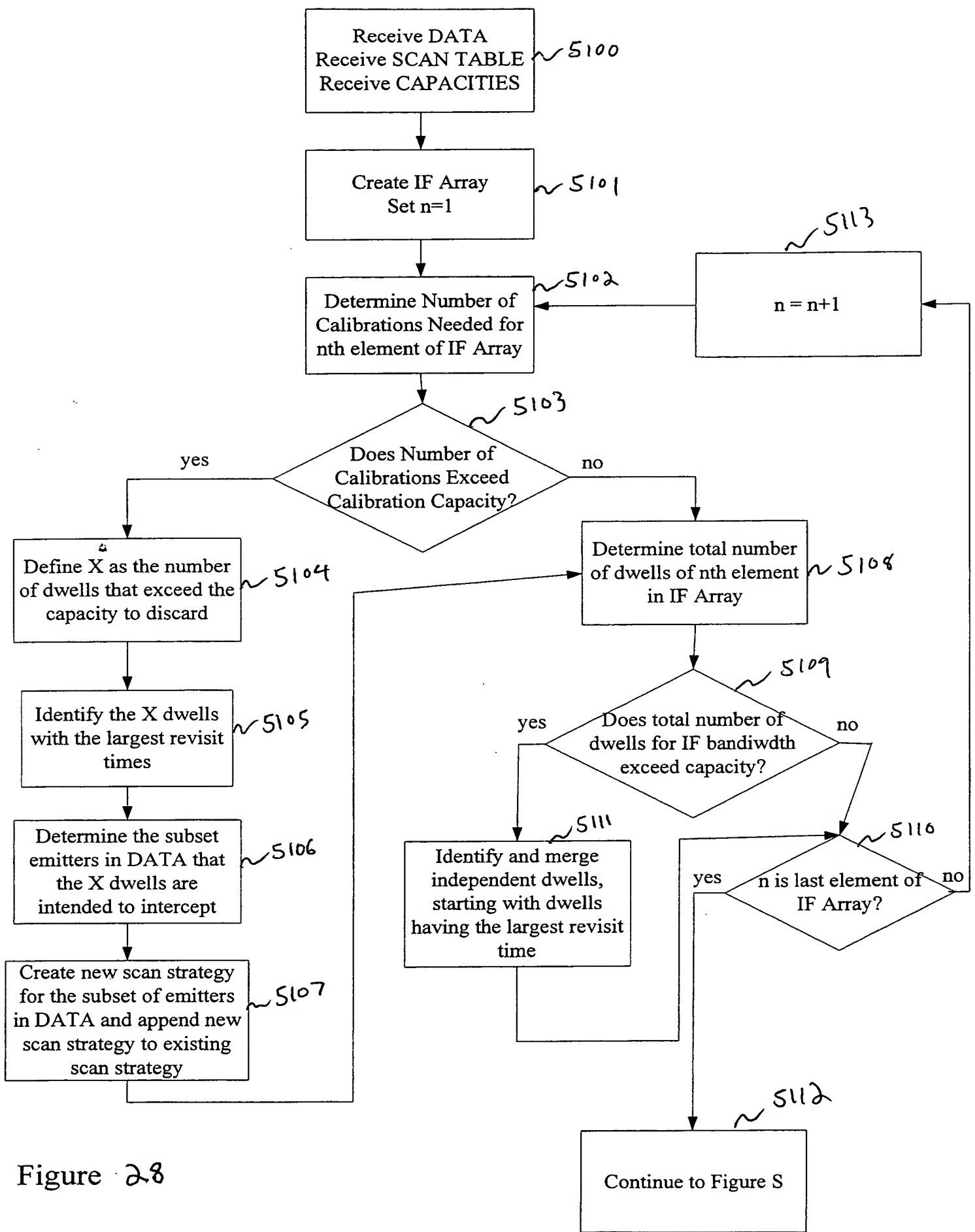


Figure 28

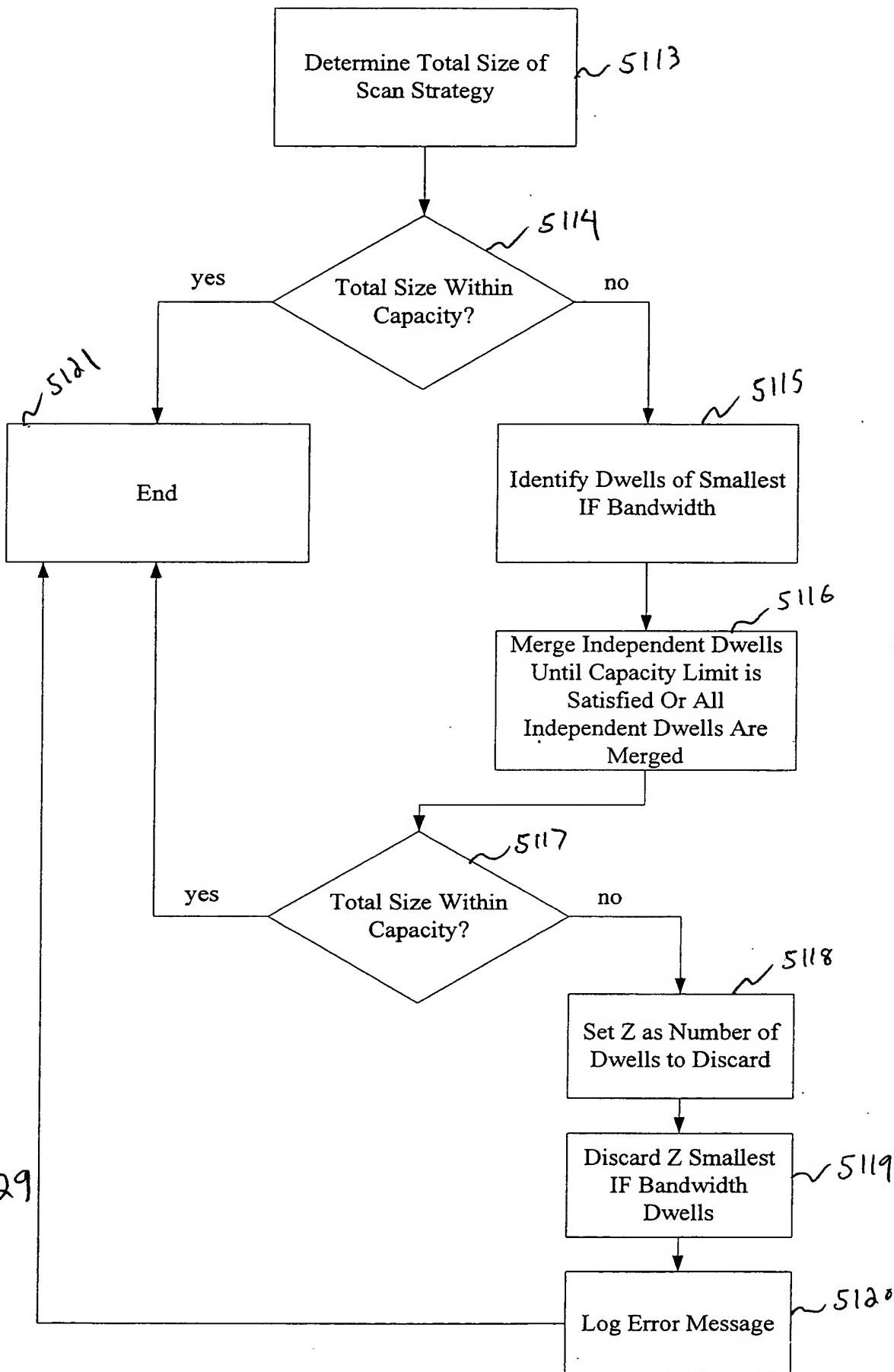


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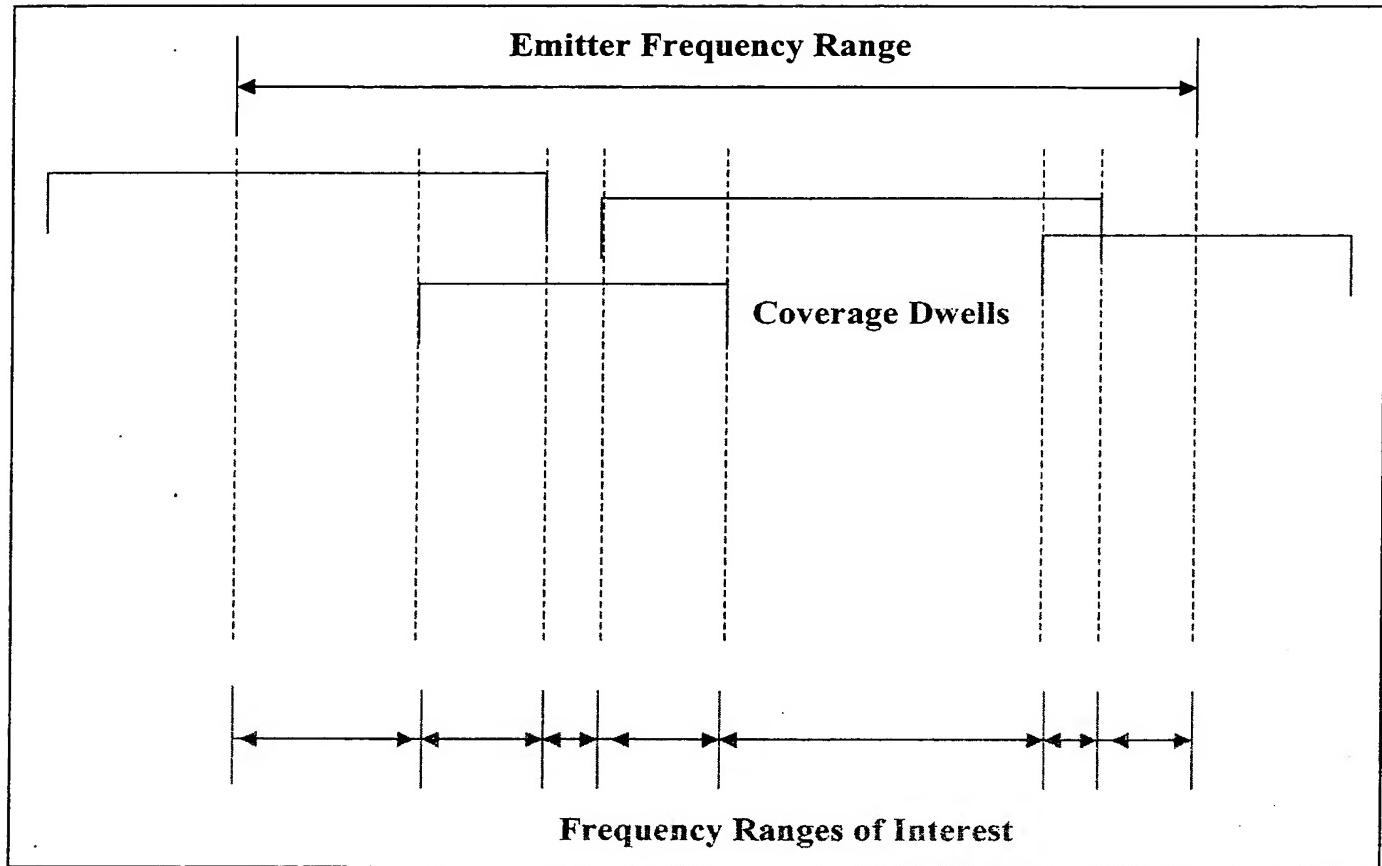


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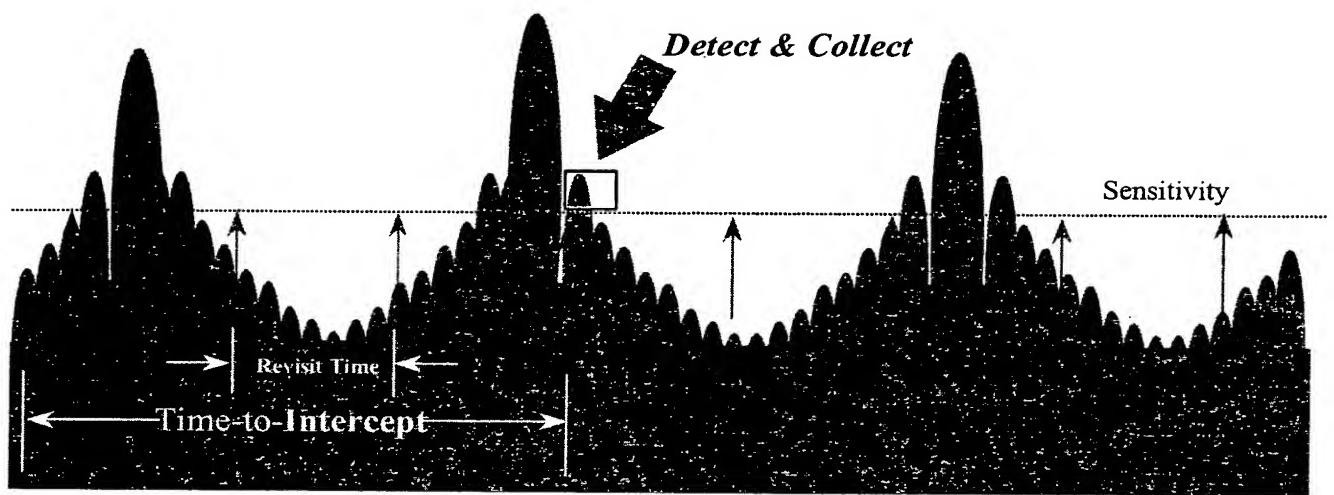


Figure 31

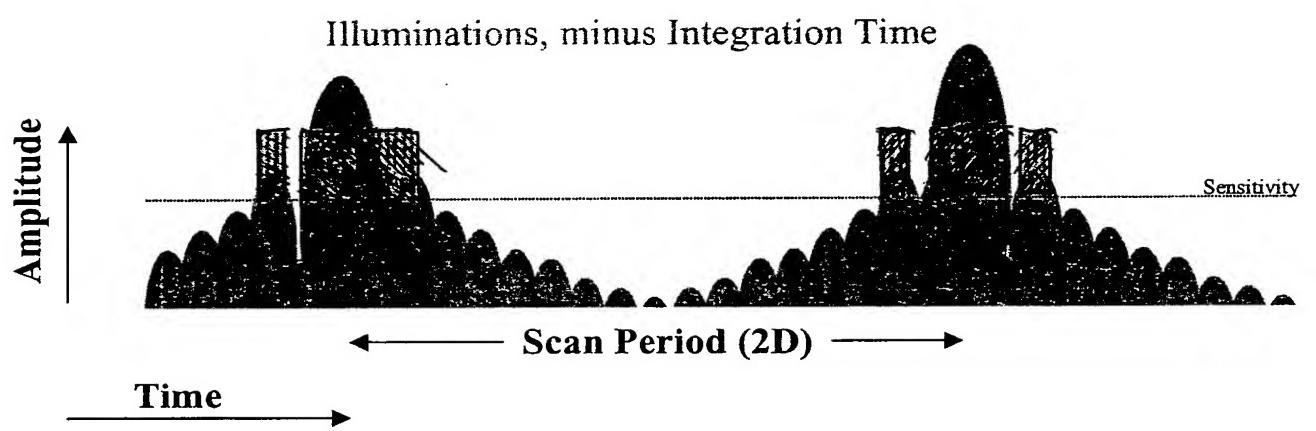


Figure 3d